IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

09/851.865

Filing Date:

May 9, 2001

Applicant:

Crapo et al.

Group Art Unit:

2834

Examiner:

Pedro J. Cuevas

Title:

MAGNETIZATION OF PERMANENT **MAGNET**

ROTORS WITH OFFSET ROTOR SECTIONS

Attorney Docket:

3174-000012

Hon. Commissioner of Patents and Trademarks Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION ١.

The patents, publications and other information submitted for consideration by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. X Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cited pending U.S. application, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. ___ Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were

which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

PATENT

01/10/2003 HWUONG1

CThis is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 for consideration by the Examiner and for listing on any patent resulting from this application. Since the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))
CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)
A. X Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).
B A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):
 See the attached foreign patent office communication from a counterpart foreign application: English translations are provided for: Other:
C The following additional information is provided for the Examiner's consideration.
CROSS REFERENCE TO RELATED APPLICATION(S)
A The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.
Serial No. Filing Date Art Unit
THIS IDS IS BEING FILED UNDER
A 37 C.F.R. § 1.97(b): (check <u>only</u> one box)
1 within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
2 within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.

Ш.

IV.

V.

before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p). 4. ____ before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required. B. X 37 C.F.R. § 1.97(c): (check only one box) • before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution. 1. X No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p). 2. ___ See the certification below. No fee is required. C. ____ 37 C.F.R. § 1.97(d): • after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee. 1. ____ See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

- A. __each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F. R. 1.704(d) below in section VII, if applicable; or
- B. ____ no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37

C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. ___Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 CFR 1.704(d)

The undersigned hereby states that:

each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

- A. X A check in the amount of \$180.00 is enclosed for the above-identified fee.
- B. ___ Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: 1-6-03

By: Michael D. Wiggins Reg. No. 34,754

HARNESS, DICKEY & PIERCE, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Traden of U.S. DEPARTMENT OF COMMERCE

U.S. Patent and U.S. DEPARTMENT OF COMMERCE

U.S. Patent and U.S. DEPARTMENT OF COMMERCE

U.S. DEPARTMENT OF U.S. DEPARTME

JAN	١		2003	
S OUT	&	ΪĖ	DEBUR	7

FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

180

		- 24	-	
	Complete if F	(nown	, 9	
Application Number	09/851,865	00		
Filing Date	May 9, 2001	C	TO TO	•
First Named Inventor	Crapo et al.	12	30	
Examiner Name	Pedro J. Cuevas	TO TO	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Group / Art Unit	2834	7	<u>.</u>	
Attorney Docket No.	3174-000012	Ÿ.	8	

Deposit Account	ME	THOD OF PAY	MENT (check all that a	nnly)					W-10	
Deposit Account					3 /	FEE CALCULATION (continued)				
Deposit Account Q8-0750 Q8-075	L⊠ Check ∐ (Credit card 🔲	Money 🔲 Other	☐ None	"."	אסוווטא	AL FEES	•		
Deposit Account Number	Deposit Accor	unt:	Order		Larg	ge Entity	Smal	l Entity		
Deposit		09.0750			Code	(\$)			Fee Description	Fee Paid
Deposit Account Hamess, Dickey & Pierce, P.L.C. 1805 1801 1812 2.520 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 920* 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804 1804		08-0750					1		Surcharge - late filing fee or oath	
Name	Deposit						2052	25	Surcharge - late provisional filing fee	
The Commissioner is authorized to: (chack all that apply)		Harness, Dick	ey & Pierce, P.L.C.		l l		1	130		
Charge fee(s) indicated below Screen Cedit any overpayments Secretary Charge any additional fee(s) during the pendency of this application Charge fee(s) indicated below Screen Charge any additional fee(s) during the pendency of this application Charge fee(s) indicated below Screen Charge fee(s) Screen Screen Charge fee(s) Screen Sc	1	L							For filing a request for reexamination	
Charge fee(s) indicated below, except for the filing fee 1251 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 110 1252 1251 110 1252 1251 110 1252 1251 110 1252 1251 110 1252 1251 1251 110 1252 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251 1251	I LI Charue leers) I	DOICATED DAIOW	M Cradit				1		Requesting publication of SIR prior to Examiner action	
Substitution Subs	Charge fee(s) in	ulliorial fee(s) d ndicated below	uring the pendency of						Examiner action	
1. BASIC FILING FEE	to the above-identi	ified deposit ac	count.						Extension for reply within first month	
Large Entity Small Entity Fee Fee Fee Fee Description 1254 1,450 2254 725 Extension for reply within fourth month	1 BASIC EIL		ALCULATION				2252	205	Extension for reply within second	
Fee									Extension for reply within third month	
1001 750 2001 375 Utility filing fee 1401 320 2201 160 Notice of Appeal 1402 320 2402 160 Notice of Appeal 1403 280 2403 140 Notice of Appeal 1404 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405 1405	Fee Fee Fe	ee Fee	Fee Description	_					Extension for reply within fourth month	
1002 330 2002 165 Design filing fee 1402 320 2402 166 Filing a brief in support of an appeal 1402 320 2402 166 Filing a brief in support of an appeal 1402 320 2402 166 Filing a brief in support of an appeal 1402 320 2402 166 Filing a brief in support of an appeal 1402 320 2402 166 Filing a brief in support of an appeal 1402 320 2402 166 Filing a brief in support of an appeal 1402 320 2403 140 Filing a brief in support of an appeal 1402 320 2402 166 Filing a brief in support of an appeal 1402 320 2402 166 Filing a brief in support of an appeal 1402 320 2402 166 Filing a brief in support of an appeal 1402 320 2402 160 Filing a brief in support of an appeal 1402 320 2402 160 Filing a brief in support of an appeal 1402 320 2402 160 Filing a brief in support of an appeal 1402 320 2402 160 Filing a brief in support of an appeal 1402 320 2402 160 Filing a brief in support of an appeal 1402 320 2402 160 Filing a brief in support of an appeal 1402 320 2402 160 Filing a brief in support of an appeal 1402 320 2402 160 Filing a brief in support of an appeal 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1402 1	I	(-)	I Itility filing to a	Fee Paid					Extension for reply within fifth month	
1003 520 2003 260 Plant filing fee 1403 280 2403 140 Request for oral hearing Request for call hearing Request for continued Examination Request for oral hearing Request for call hearing Request for continued Examination Request for oral hearing Request for call hearing Request for continued Examination Request for Supplication Request for continued Examination Request for Supplication Request for Supplica			-							T
1004 750 2004 375 Reissue filing fee 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 14			-			1			Filing a brief in support of an appeal	
1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451 1,510 1451	1004 750 20			 		200	2403	140	Request for oral hearing	
SUBTOTAL (1) (\$) 0	1005 160 20				,				proceeding	
2. EXTRA CLAIM FEES Extra		SUBTOTAL	(1)	(6) 0						
Extra Fee from Fee Claims -20 *** = 0 X = 0 1502 470 2502 235 Design issue fee 1503 630 2503 315 Plant issue fee 1460 130 1460 130 1460 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1.17 (q) 1806 180 1806 180 1806 180 Submission of Information Disclosure Stmt Submission of Information Disclosure Stmt Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1809 750 2809 375 Filing a submission after final rejection (37 CFR § 1.129(a)) 1810 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1802 900 1802 900 1802 900 Request for continued Examination for a design application 1809 Teleplate T	2 EVED 4 01 4114			(0) 0						
Total Claims	Z. EXTRA CLAIM I	FEES								
Total Claims Independent Claims Independent Claims Independent Claims Independent Claims Independent Claims Independent Indepe	,								-	
Independent Claims -3 ** = 0	Total Claims	20 ** = [
Multiple Dependent Large Entity Small Entity Fee Fee Code (\$) 1806 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1800 1801 1806 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1800 1801 1806 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1800 1801 1806 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1800 1801 1806 180 Submission of Information Disclosure 1800 1802 1802 1802 1802 1802 1802 1802	Independent	7 [1807					
September Small Entity Small Entity Fee Fee Code (\$) Code (\$) Code (\$) Code (\$) Code	Multiple		0 X	= 0	1			180	Submission of Information Disclosure	190
Fee Fee Fee Code (\$) Fee Description 1202 18 2202 9 Claims in excess of 20 1203 280 2203 140 Multiple dependent claims in excess of 3 1204 84 2204 42 ** Reissue independent claims over original patent ** Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) 0 1809 750 2809 375 Filing a submission after final rejection (37 CFR § 1.129(a)) 1810 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1810 750 2801 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1802 900 1802 900 Request for Continued Examination of a design application Other fee (specify) **Refluced by Resic Filing Fee Paid	Dependent	Consult Provide	× [= 0	8021	40	8021		Recording each patent assignment	180
Code (\$) Code (\$) Fee Description 1809 750 2809 375 Filing a submission after final rejection (37 CFR § 1.129(a)) 1810 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1810 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1810 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1810 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1801 750 2801 375 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application 1809 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1801 750 2801 375 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application 1809 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1801 750 2801 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1801 750 2801 375 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application 1809 750 2810 375 Filing a submission after final rejection (37 CFR § 1.129(a)) 1801 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(a)) 1801 750 2801 375 Request for Continued Examination (RCE) 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900 1802 900	_	_			1		0021		properties)	
1201 84 2201 42 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 42 ** Reissue independent claims over original patent ** Reissue claims in excess of 20 and over original patent ** Reissue claims in excess of 20 and over original patent ** SUBTOTAL (2) (\$) 0 1810 750 2810 375 For each additional invention to be examined (37 CFR § 1.129(b)) 1801 750 2801 375 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application Other fee (specify) **Reduced by Resic Filing Foo Paid	Code (\$)	Code (\$)		_	1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(a))	
1204 84 2204 42 ** Reissue independent claims over original patent ** Reissue claims in excess of 20 and over original patent ** Reissue claims in excess of 20 and over original patent ** Substock (\$) 0 \$	1201 84	2201 42	Independent claims is	n excess of 3	1810	750	2810	375	For each additional invention to be	
original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) 0 1802 900 Request for expedited examination of a design application Other fee (specify)			** Reissue independe	aim, if not paid ent claims over		750	2801			
SUBTOTAL (2) (\$) 0 Other fee (specify)	1205 18 2		original patent ** Reissue claims in e		1802	900	1802	900 R	equest for expedited examination	
**or number previously paid, if greater; For Reissues, see above		SUB	<u></u>		Other fee	e (specify)				
	**or number previous	sly paid, if grea	ter; For Reissues, see	above	*Reduce	ed by Basi	c Filing F	ee Paid	SUBTOTAL (3) (\$) 180	\exists

SUBMITTED BY					
Name (Print/Type)	Michael D. Wiggins	_		Cor	nplete (if applicable)
		Registration No. Attorney/Agent)	34,754	Telephone	(248) 641-1600
Signature	Jule DW	7 TO THE PARTY OF		Date	1-06-03

WARNING: Information on this torm may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231. If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Please type a plus s	ign (+) inside this bo	× → [+			HDP/SB/21 based on PTO/SB	/21 (08-00)
			Appl	ication Number	09/851,865	
	NSMITTAL	-		g Date	May 9, 2001	1
į F	FORM			Named Inventor	Crapo et al.	
(to be used for all co	rrespondence after i	initial filing)	Grou	p Art Unit	2834	
		Ī	Exam	niner Name	Pedro J. Cuevas	
Total Number of Page	s in This Submissior	1	Attorr	ney Docket Number	3174-000012	
		ENCLO	SURES	S (check all that apply)		
Fee Transmittal F	Form	Assignm	ent Pa	pers	After Allowance Communication	ation to
☐ Fee Attached	l	☐ Drawing	(s)		Appeal Communication to E Appeals and Interferences	Board of
Amendment / Res	sponse	Licensin	g-relate	ed Papers	Appeal Communication to G	iroup
After Final		Petition			Proprietary Information	,
Affidavits/dec	laration(s)	Petition t	to Conv nal App	vert to a Dication	Status Letter	
Extension of Time Request Pow			f Attorn of Corr	ey, Revocation respondence Address	Other Enclosure(s) (please identify below):	
Express Abandon	ment Request	Terminal	Discla	imer	PTO Form 1449 citing a references; and Reutre	
		Request for Refund			Postcard.	I
Information Disclo	sure Statement	CD, Num	ber of			
Certified Copy of F	Priority	Remarks	The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.			
Response to Missi Incomplete Applica		. 1		sineet is enclosed.		
Response to M Parts under 37 1.52 or 1.53	Missing 7 CFR					
	SIGNAT	TURE OF AP	PLIC	ANT, ATTORNEY, O	R AGENT 7	
Firm <i>or</i> Individual name	Harness, Dickey & I		Atte	orney Name chael D. Wiggins	Reg. No. 34,754	<u> </u>
Signature	Unlulan	Man			3	# G
Date	1-6-03	00				
	CE			AILING/TRANSMISS		
I hereby certify that this addressed to: Commis Trademark Office on th	Sionei oi Palents an	id Trademarks	ed with , Wash	the United States Posta ington, D.C. 20231, or f	l Service as first class mail Fran e acsimile transmitted to the U.S. Pa	nvelope itent and
Typed or printed name	Stephanie Prov					
Signature				,	Date	ν.

Date

1-6-03

JAN 1 0 2003

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 2 of 2

ATTORNEY DOCKET No.	SERIAL NO.
3174-000012	09/851,865
APPLICANT	
Crapo et al.	
FILING DATE	GROUP
May 9, 2001	2834

FORE	IGN PATEN	IT DOCUMENTS					
Ref. Desig.	Examiner's Initials	Document Number	/Date	Country	Class/ Subclass	Translation Yes	No
2.		JP60013455	23-01-85	Japan		X	
3.		JP63140645	13-06-88	Japan		X	
4.		EP0392028 L	17-10-90	Europe		X	
5.		EP0483372A1 L	06-05-92	Europe		X	
6.		EP300042 V	25-01-89	Europe		X	
7.		JP61199447	03-09-86	Japan		X	
8.		EP0449538A1	02-10-91	Europe		X	
9.		EP0564759A1	13-10-93	Europe		x	

Ref. Desig.	Examiner's Initials	· · · · · · · · · · · · · · · · · · ·
1.		Ackermann/Janssen/Sottek/van Steen, "XP-002209198 New technique for reducing cogging torque in a class of brushless DC motors", IEEE Proceeding-B, Vol. 139, No. 4 July 1992, pp. 315-320.
2.		Chen/Bruhl, "XP-000833296 The Robust Design Approach For Reducing Cogging Torque In Permanent Magnet Motors", IEEE Transactions on Magnetics, Vol. 34, No. 4, July 1998 pp. 2135-2137.
3.		Zhu/Howe, "XP-002206342 Influence of Design Parameters on Cogging Torque in Permanent Magnet Machines", IEEE Transactions on Energy Conversion, Vol. 15, No. 4, December 2000, pp. 407-412.
		ECEIVED LOGY CENTER 28
Examir	ner:	Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JAN 1 0 2003

1.21.03

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 2

	/
ATTORNEY DOCKET NO.	SERIAL NO.
3174-000012	09/851,865
APPLICANT	
Crapo et al.	
FILING DATE	GROUP
May 9, 2001	2834

U.S. F	PATENT DO	CUMENTS				
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		4,700,098	10/13/1987	Kawashima		
2.		4,739,203	04/19/1988	Miyao et al.		
3.		5,006,745	04/09/1991	Nishio et al.		
4.		5,034,642	07/23/1991	Hoemann et al.		-
5.		5,164,622	11/17/1992	Kordik		
6.		5,250,867	10/05/1993	Gizaw		
7.		5,388,658	02/14/1995	Ando et al.		****
8.		5,610,464	03/11/1997	Asano et al.		
9.		5,753,991	05/19/1998	Couture et al.		
10.		5,886,440	03/23/1999	Hasebe et al.		
11.		5,982,067	11/09/1999	Sebastian et al.		RECE JAN I
12.		6,031,304	02/29/2000	Suzuki et al.		
13.		6,034,459	03/07/2000	Matsunobu et al.		PACE F
14.		6,034,460	03/07/2000	Tajima et al.	*	JAN 14 200
15.		6,040,647	03/21/2000	Brown et al.	:	- W
16.		6,140,728	10/31/2000	Tomita et al.	The state of the s	2800
17.		6,262,507	07/17/2001	Sato et al.		

FORE	IGN PATEN	T DOCUMENTS					
Ref. Desig.	Examiner's / Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	on No
1.		JP61199446	03-09-86	Japan	Gastiass	X	110

Examiner:	Date Considered:
	Bate Considered.

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.